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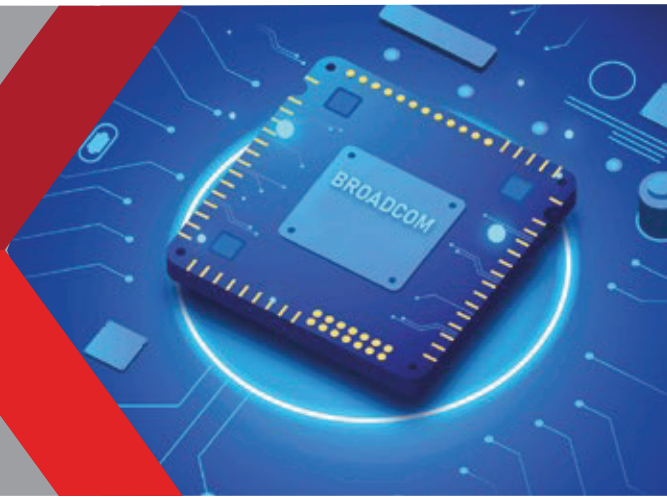
NX-6540 Series Converged Hybrid Multigiga Switches



OVERVIEW

NX-6540 Series switches are a new generation of high-performance, high-port density, high-security Layer 3 Ethernet switches developed by NODEXON Technology Co., Ltd. using industry-leading ASIC technology, supporting IPv4/IPV6 Dual-stack management and forwarding, support static routing protocols and routing protocols such as RIP, OSPF, BGP, ISIS, etc., and support rich management and security features. It is a Gigabit Layer 3 Ethernet switch product for converged service networks.

In the campus network, NX-6540 Series switches can be used as aggregation layer equipment, or as the core of small and medium-sized enterprises; downward can provide high-density GE and MultiGiga ports, upward through 10G/25G/40G/100G fiber or link aggregation is aggregated to the core switch to build a high-performance end-to-end IP network solution together with other NX products.

NX-6540-HPE switches series includes the following models:

NX-6540-24CM-HPE: 16*10/100/1000Base-T Ports(PoE++), 8*10M/100M/1G/2.5G/5G/10G Base-T Ports (PoE++), 4*10G/25GBase-X SFP28 Ports, and 1 Slot;

NX-6540-48CM-HPE: 32*10/100/1000Base-T Ports(PoE++), 16*10M/100M/1G/2.5G/5G/10G Base-T Ports (PoE++), 4*10G/25GBase-X SFP28 Ports, and 1 Slot;

FEATURES HIGHLIGHTS

- Multi-Service Integration
- High-Performance IPv4/IPv6 Service Capability
- IRF2 (Second Generation Intelligent Resilience Architecture)
- Intelligent Resilient Framework 2 (IRF2)
- Complete Security Control Strategy
- MACsec Hardware Encryption
- Precision Time Protocol (PTP)
- Intelligent Network Quality Analyzer (iNQA)
- Multichassis Link Aggregation Group (M-LAG) (Original DRNI)
- Visualization Ability
- AI-driven PoE
- SmartNMC (Smart Network Management Center)

NX-6540-24CM-HPE

NX-6540-48CM-HPE

Datasheet

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Converged Hybrid Multigiga Switches NX-6540 Series

PRODUCT FEATURES

SmartNMC (Smart Network Management Center)

As the network scale increases, a large number of access devices are required at the network edge, which makes the management of these devices very cumbersome. The main purpose of SmartNMC is to solve the problem of centralized management of a large number of scattered network devices. It is designed to solve the switch-based operation and maintenance tasks of small enterprises. SmartNMC realizes unified operation, maintenance and management of the network by means of built-in equipment and graphical operation.

SmartNMC simplify the operation, maintenance and management of small and medium-sized parks:

Smart management: It mainly includes device role selection, FTP server configuration, global configuration and network management port configuration, etc.

Intelligent operation and maintenance: Mainly include group management, equipment or group upgrade backup, monitoring and equipment failure replacement, etc.

Visualization: Includes networking topology visualization and management, device list display, device ports display, etc.

Smart business: Mainly includes user management, etc.: After network access users are created and successfully activated, these users can access the SmartNMC network through the port of one- key arming.

NX-6540 series switches can be used as the management device of SmartNMC. You can log in to the SmartNMC network through the NX-6540 to manage the entire network in a unified manner.

High-Performance IPv4/IPv6 Service Capability

NX-6540 series switches implement a hardware-based IPv4/IPv6 dual-stack platform, support multiple tunnel technologies, rich IPv4 and IPv6 Layer 3 routing protocols, multicast technologies and policy routing mechanisms, providing users with complete IPv4/IPv6 solution.

Multi-Service Integration

Based on NODEXON's Open Service Architecture (OAA), NX-6540 series switches can not only provide the functions of traditional switches, but also integrate security module cards including FW, IPS, and load balancing, mini-iMC cards, and Eagle Vision cards. etc., making the NX-6540 series switches a converged multi-service bearing platform.

Complete Security Control Strategy

NX-6540 series switches support the EAD (terminal access control) function, and cooperate with the background system to integrate terminal security measures such as terminal antivirus and patch repair with network security measures such as network access control and access authority control into a linked security The system, through the inspection, isolation, repair, management and monitoring of network access terminals, makes the entire network change from passive defense to active defense, from single-point defense to comprehensive defense, and from decentralized management to centralized policy management. , worms and other emerging security threats overall defense capabilities.

NX-6540 series switches support centralized MAC address authentication, 802.1x authentication, support dynamic or static binding of user identification elements such as user account, IP, MAC, VLAN, and port, and implement user policies (VLAN, QoS, ACL) dynamic distribution; support with NODEXON's iMC system for real-time management of online users, timely diagnosis and disintegration of illegal network behavior.

NX-6540 series switches provide enhanced ACL control logic, support large-capacity ingress and egress port ACLs, and support VLAN-based ACL delivery, which simplifies the user configuration process and avoids waste of ACL resources. In addition, NX-6540 series switches will also support unicast reverse path finding technology (uRPF). The route between the interface and the source address specified in the packet is to verify its authenticity. If it does not exist, the packet is deleted, so that we can effectively prevent the source address spoofing that is increasingly flooding in the network.

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IRF2 (Second Generation Intelligent Resilience Architecture)

NX-6540 series switches support IRF2 (Second Generation Intelligent Resilient Architecture) technology, which is to connect multiple physical devices to each other to make it virtual as a logical device, that is to say, users can regard these multiple devices as one Manage and use a single device. IRF can bring the following benefits to users:

Simplified management: IRF architecture is formed, it can be connected to any port of any device to log in to a unified logical device. By configuring a single device, it can manage the entire intelligent elastic system and all member devices in the system. There is no need to physically connect to each member device to configure and manage them individually.

Simplified service: IRF are also run as a single device. For example, the routing protocol will be calculated as a single device. With the application of the cross-device link aggregation technology, it can replace the original generation tree protocol, which saves the interaction of a large number of protocol packets between devices, simplifies network operation, and shortens the convergence time when the network is turbulent.

Elastic expansion: can realize elastic expansion according to user needs and ensure user investment. And new devices can be "hot-swapped" when they join or leave the IRF architecture, without affecting the normal operation of other devices.

High reliability: high reliability IRF is reflected in three aspects: link, equipment and protocol. The physical ports between member devices support the aggregation function, and the physical connection between the IRF system and the upper and lower-layer devices also supports the aggregation function, which improves the reliability of the link through multi-link backup; the IRF system consists of multiple member devices. Once the master device fails, the system will quickly and automatically elect a new master to ensure uninterrupted services through the system, thus realizing device-level 1:N backup; the IRF system will have a real-time protocol hot backup function responsible for the configuration information of the protocol. Backup to all other member devices to achieve 1:N protocol reliability.

High performance: For high-end switches, the increase in performance and port density is limited by the hardware structure. The performance and port density of an IRF system is the sum of the performance and port numbers of all devices inside the IRF. Therefore, the IRF technology can easily expand the switching capability of the device and the density of user ports several times, thereby greatly improving the performance of the device.

MACsec Hardware Encryption

MACsec (Media Access Control Security, MAC security) defines the method of data security communication based on IEEE 802 local area network. MACsec can provide users with secure MAC layer data transmission and reception services, including user data encryption, data frame integrity check and data source authenticity verification.

MACsec is usually used in conjunction with the 802.1X authentication framework. After the 802.1X authentication process is successful, it identifies the message sent by the authenticated device and uses the MKA (MACsec Key Agreement, MACsec Key Agreement) protocol to negotiate the generated key pair Authenticated user data is encrypted and integrity checked to prevent the port from processing packets from unauthenticated devices or tampered with unauthenticated devices.

NX-6540 series switches support upgraded MACsec encryption technology and use 256-bit encryption algorithm to further improve data security; All ports of the device provide 256-bit MACsec encryption to ensure data security.

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Precision Time Protocol (PTP)

NX-6540 series switches support the 1588V2 function to meet the high-precision time synchronization requirements between network devices. Compared with GPS time synchronization with the same precision, it improves security and lowers deployment costs.

Visualization Ability

NX-6540 series switches support Telemetry technology, which can send the switch's real-time resource information and alarm information to the O&M platform through the gRPC protocol.

The platform can realize network quality backtracking, troubleshooting, risk early warning, architecture optimization and other functions to accurately guarantee user experience by analyzing real-time data.

Intelligent Network Quality Analyzer (iNQA)

NX-6540 series switches support iNQA. iNQA provides the following benefits:

True measurement results—iNQA measures the service packets directly to calculate packet loss results, thus reflecting the real network quality.

Wide application range—Applicable to Layer 2 network and Layer 3 IP network. iNQA supports the network-level and direct link measurement flexibly.

Fast fault location—iNQA obtains the packet loss time, packet loss location, and number of lost packets in real time.

Applicable to different applications—You can apply iNQA to multiple scenarios, such as point-to-point, point-to-multipoint, and multipoint-to-multipoint.

Multichassis Link Aggregation Group (M-LAG) (Original DRNI)

NX-6540 series switches support M-LAG, which enables links of multiple switches to aggregate into one to implement device-level link backup. M-LAG is applicable to servers dual-homed to a pair of access devices for node redundancy.

Streamlined topology: M-LAG simplifies the network topology and spanning tree configuration by virtualizing two physical devices into one logical device.

Independent upgrading: The DR member devices can be upgraded independently one by one to minimize the impact on traffic forwarding.

High availability: The DR system uses a keepalive link to detect multi-active collision to ensure that only one member device forwards traffic after a DR system splits.

AI-driven PoE

Fast PoE: Typically, PIs does not deliver power to PDs the moment the PSE is powered on but wait until the PSE completes startup. Fast PoE enables PIs to deliver power to PDs within few seconds after power is supplied to the PSE.

Perpetual PoE: Perpetual PoE continuously monitors the PD states and ensures continued power supply to PDs even when the PSE device is hot rebooting.

AI-driven PoE: Innovatively integrating AI technologies into PoE switches, NODEXON AI-driven PoE enables completely automated, intelligently managed, healed, and optimized PoE, bringing convenient and outstanding PoE experience to users.

Datasheet

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Converged Hybrid Multigiga Switches NX-6540 Series

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	NX-6540-24CM-HPE	NX-6540-48CM-HPE
Port switching capacity	792Gbps	984Gbps
Packet forwarding rate	462 Mpps	462 Mpps
System switching capacity	2.4Tbps	
Dimensions (W × D × H)	440 × 400 × 44 mm (17.32 x 15.75 x 1.7 in)	
Weight	≤ 6.8 kg	≤ 7 kg
Console port	1	
Flash/SDRAM	8G/2G	
Ethernet port for management	10/100/1000Base-T electrical port: 1	
USB port	1	
10/100/1000BASE-T port (PoE++)	16	32
10M/100M/1G/2.5G/5G/ 10G Base-T Ports (PoE++)	8	16
10G/25GBase-X SFP28	4	4
Expansion board	2-port 10G SFP+ interface card 4-port 10G SFP+ interface card 4-port 25GE SFP28 interface card 2-port 40GE QSFP+ interface card	2-port 10G SFP+ interface card 4-port 10G SFP+ interface card 4-port 25GE SFP28 interface card 2-port 40GE QSFP+ interface card
Expansion slots	1	1
PoE	PoE++ support	
Input voltage	AC: Rated voltage range: 100 to 240V AC: 50/60Hz	
Power Supply slots	2（Hot swappable）	
Machine leakage current	Meet UL60950-1/EN60950-1/IEC60950-1 /GB4943 standard	
Working temperature	-5 °C to 45 °C	
Relative humidity of working environment (non-condensing)	5 % to 95 %	

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Converged Hybrid Multigiga Switches NX-6540 Series

SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550-26CM-HPE	NX-6550-26XC-HPE	NX-6550-54XC-HPE
Ethernet link aggregation	Support port aggregatio Support static aggregation Support dynamic aggregation Support cross-device link aggregation		
Port Characteristics	Support IEEE802.3x flow control (full duplex) Supports storm suppression based on port rate percentage Supports PPS-based storm suppression Support bps-based storm suppression		
Jumbo Frame	maximum frame length supported is 13312		
MAC address table	Support black hole MAC address Supports setting the maximum number of port MAC addresses to learn		
VLAN	4K support VLAN Access/Trunk/Hybrid VLAN Port-based VLAN support MAC-based VLAN IP subnet-based VLAN Protocol-based VLAN IEEE 802.1P(CoS priority) Super VLAN Private VLAN Voice VLAN Support QinQ, flexible QinQ Support VLAN Mapping Support Private VLAN Support Voice VLAN QinQ(802.1Q-in-802.1Q) Vlan mapping Static/Dynamic/Blackhole/Multiport unicast MAC MAC automatic learning and aging Port-based/VLAN-based MAC learning limit MAC filter Port isolation		

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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550 Series
	VLAN ID range 0 to 4095(Total 4096) Access/Trunk/Hybrid VLAN Port-based VLAN MAC-based VLAN IP subnet-based VLAN Protocol-based VLAN IEEE 802.1P(CoS priority) Super VLAN Private VLAN Voice VLAN QinQ(802.1Q-in-802.1Q) Vlan mapping Static/Dynamic/Blackhole/Multiport unicast MAC MAC automatic learning and aging Port-based/VLAN-based MAC learning limit MAC filter Port isolation IEEE 802.3x flow control (full duplex) Storm suppression based on port rate percentage PPS -based storm suppression bps -based storm suppression LLDP(Link Layer Discovery Protocol) and LLDP-MED(Link Layer Discovery Protocol Media Endpoint Discovery) DCBX(Data Center Bridging Exchange Protocol) Broadcast/multicast/unknown unicast storm constrain Jumbo frame Store-and-forward(Default) Cut-through-forward
IRF2 Intelligent Resilience Architecture	Support IRF2 Intelligent Resilience Architecture (fast convergence within 50ms) Support distributed device management, distributed link aggregation, distributed elastic routing Supports stacking via standard Ethernet interfaces, etc. Supports local stacking and remote stacking

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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550 Series
Layer 2 Ring Network Protocol	Loop detection(VLAN and VXLAN network) MVRP(Multiple VLAN Registration Protocol) GVRP(Generic VLAN Registration Protocol) PVST(Per-VLAN Spanning Tree) (compatible with PVST+/RPVST+) Support STP/RSTP/MSTP Support SmartLink Support RRPP Support ERPS (G.8032) Ethernet ring network protection switching BPDU/root/loop/TC-BPDU/PVST BPDU/disputeloopback guard BPDU filter Role/TC-BPDU transmission restriction Support port single-pass detection, Edge Port
OpenFlow	OpenFlow 1.3 Multiple controllers (EQUAL, master/slave) Multiple tables flow Group table
IP Services	Static/Dynamic/Gratuitous/proxy ARP ARP snooping/fast-reply/direct route advertisement/ping ARP attack detection ARP source suppression Ping, Tracert DHCP(Dynamic Host Configuration Protocol) DHCP Server/relay agent/client/snooping DHCP Option 43, Option 82, and Option 184, DNS(Domain Name System) DDNS(Dynamic Domain Name System) mDNS(Multicast Domain Name System) IRDP(ICMP Router Discovery Protocol) UDP helper ND(Neighbor Discovery) ND snooping/proxy/direct route advertisement/ping DHCPv6 Server/relay agent/client/snooping/guard GRE(Generic Routing Encapsulation) HTTP redirect GRE tunneling VXLAN tunneling and VXLAN-DCI tunneling IPv4/IPv6 over IPv4 tunneling, and IPv4/IPv6 over IPv6 tunneling IPv4/IPv6 Fast Forwarding

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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550 Series
IP routing	Support static routing Support RIPv1/v2, RIPng Support OSPFv1/v2, OSPFv3 Support BGP4, BGP4+ for IPv6 Support IS-IS, IS-IS V6 Support equal-cost routing, policy routing Support VRRP/VRRPv3 Support O SPF multi-process, MD5 encryption authentication, S TUB/NSSA area Support route COST setting, support inter-area route filtering
IPv6	Support IPv4/IPv6 dual stack protocol Support ND (Neighbor Discovery) Support PMTU Support IPv6-Ping, IPv6-Tracert, IPv6-Telnet, IPv6-TFTP, IPv6 - ICMP, IPv6 -DNS, IPv6-FTP, IPv6-NTP Support manual tunnel, automatic tunnel IPv4 support over IPv6 tunnel Support 6to4 tunnel Support ISATAP tunnel Support GRE tunnel
MPLS	Static LSP(label switched path) LDP(Label Distribution Protocol) IPv6 LDP Tunnel policies VRF(Virtual Routing and Forwarding) Support MPLS MCE MPLS support L3VPN MPLS support L2VPN MPLS support SR MPLS Ping/Tracert MCE(Multi-VPN Instance Customer Edge) IPv6 MCE MPLS OAM
Energy Saving	Port automatic power down function Port timing down function (Schedule job) Support EEE (802.3az) energy saving standard

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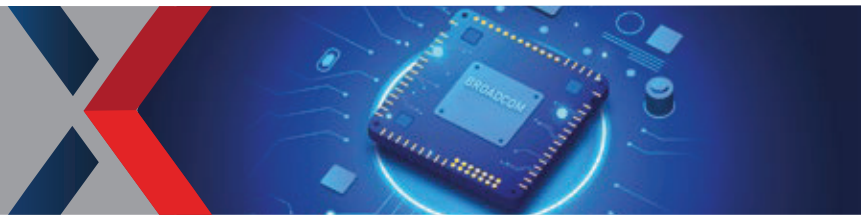

SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550 Series
Safety features	Support RBAC(Role-based access control) Support user hierarchical management and password protection Support 802.1X authentication / centralized MAC address authentication Support Portal authentication Support Guest VLAN Support AAA(Authentication, Authorization, and Accounting) Support RADIUS authentication Support HW TACACS+ certification Support MAC authentication Support Web authentication Support Triple authentication Support Guest VLAN SSH1.x and SSH2.0(Secure Shell) SSL(Secure Sockets Layer) HTTPs Support port isolation Support port security Support EAD Support SAVI and SAVA to ensure the security of IPv6 environment Support DHCP Snooping to prevent spoofed DHCP server Support dynamic ARP inspection to prevent man-in-the-middle attacks and ARP denial of service Support BPDU guard, Root guard Support uRPF (Unicast Reverse Path Detection) to prevent IP source address spoofing and prevent viruses and attacks Support IP/Port/MAC binding function Control Plane Protection (CoPP), Wireless Intrusion Prevention System (WIPS) Attack detection and prevention TCP attack prevention IPSG(IP source guard) IPv6 RA Guard ARP attack protection ND attack protection MFF(MAC-forced forwarding) SAVI(Source Address Validation Improvement) FIPS(Federal Information Processing Standards) MACsec(Media Access Control Security) All ports AES256 MACsec

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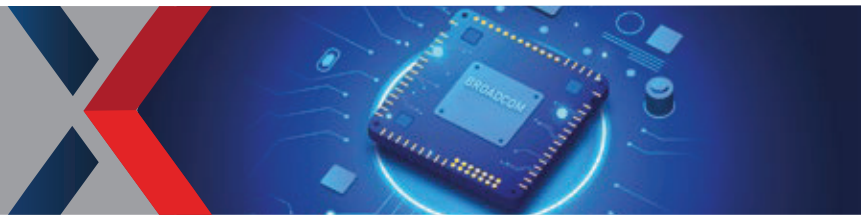

SOFTWARE SPECIFICATIONS

MODEL	Product Description
	Microsegmentation
	Hierarchical user management and password protection
	Basic and advanced ACLs for packet filtering
	Support OSPF, RIPv2 message plaintext and MD5 ciphertext authentication
	Support PKI (Public Key Infrastructure, public key infrastructure)
Network Management	NQA(Network quality analyzer)
	iNQA(Intelligent Network Quality Analyzer)
	eMDI(Enhanced Media Delivery Index)
	Performance management through gRPC or NETCONF
	NTP(Network Time Protocol)
	Support hot patch function, online patch upgrade
	Support XModem /FTP/TFTP loading and upgrading
	Support command line interface (CLI), Telnet, Console port for configuration
	Support netcool network management platform
	Support SNMPv1/v2/v3, RMON (Remote Monitoring)
	BFD support for VRRP/IS-IS/BGP/RIP/OSPF/Static Routing
	Support iMC intelligent management center
	Support Syslog, system log, hierarchical alarm, debug information output
	NTP support
	Support power alarm function, fan, temperature alarm
	Support Ping, Tracert
	Support VCT (Virtual Cable Test) cable detection function
	Support DLDP (Device Link Detection Protocol) unidirectional link detection protocol
	Port mirroring SPAN(Switch Port Analyzer)/RSPAN(Remote SPAN)
	Flow mirroring
	N:9 port mirroring
	local and remote port mirroring
	sFlow
	Information center
	Support NETCONF network management protocol
	Support Python script management operation and maintenance
	Support Loopback-detection port loopback detection
	Support NetStream function, traffic analysis sampling ratio 1:1
	Supportbuilt-inWebGUI
	Support secure boot

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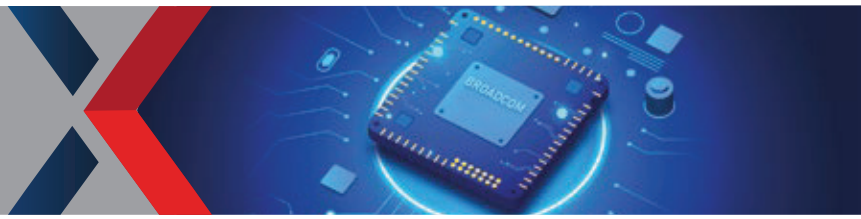

SOFTWARE SPECIFICATIONS

MODEL	Product Description
ACL\QoS	Support L2 (Layer 2) ~ L4 (Layer 4) packet filtering function, provide based on source MAC address, destination MAC address, source IP (IPv4/IPv6) address, destination IP (IPv4/IPv6) address, TCP/UDP port number, Traffic Classification for VLANs Support Time Range ACL Supports bidirectional ACL policies in inbound and outbound directions Supports issuing ACLs based on VLANs Supports limiting the rate at which the port receives packets and the rate at which it sends packets Support message redirection Diff-Serv QoS Eight queues each interface 802.1p, TOS, DSCP, and EXP priority mapping 802.1p and DSCP priority re-marking of packets Support CAR (Committed Access Rate) function Support flexible queue scheduling algorithm, can be set based on port and queue at the same time, support SP, WFQ, SP+WFQ three modes Traffic shaping Time ranges Traffic classification based on source MAC, destination MAC, source IP, destination IP, port, protocol, and VLAN Congestion avoidance, Tail-Drop, RED(Random Early Detection) and WRED (Weighted Random Early Detection)
VxLAN	Support VxLAN Layer 2 and Layer 3 gateways Support VxLAN routing Centralized VXLAN gateway Distributed VXLAN gateway VXLAN M-LAG VXLAN-DCI OVSDB(Open vSwitch Database) VXLAN VTEP MP-BGP EVPN control plane EVPN VXLAN EVPN M-LAG

Datasheet

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Converged Hybrid Multigiga Switches NX-6540 Series

PoE POWER CAPACITY

MODEL		Product Description			
Power Supply 1	Power Supply 2	NX-6540-24CM-HPE		NX-6540-24CM-HPE	
		Total PoE power capacity	PoE Ports Quantity	Total PoE power capacity	PoE Ports Quantity
NX-PSR600-54A-B	/	450W	15.4W (802.3af): 24 30W (802.3at): 15 60W (802.3bt): 7 90W (802.3bt): 5	450W	15.4W (802.3af): 29 30W (802.3at): 15 60W (802.3bt): 7 90W (802.3bt): 5
NX-PSR920-54A-B	/	770W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 12 90W (802.3bt): 8	770W	15.4W (802.3af): 48 30W (802.3at): 25 60W (802.3bt): 12 90W (802.3bt): 8
NX-PSR1600-54A-B (Input Voltage: 90V AC~176V AC)	/	770W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 12 90W (802.3bt): 8	770W	15.4W (802.3af): 48 30W (802.3at): 25 60W (802.3bt): 12 90W (802.3bt): 8
NX-PSR1600-54A-B (Input Voltage:176V AC~290V AC or 180V DC~320V DC)W	/	1450W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 24 90W (802.3bt): 16	1450W	15.4W (802.3af): 48 30W (802.3at): 48 60W (802.3bt): 24 90W (802.3bt): 16
NX-PSR600-54A-B	NX-PSR600-54A-B	1020W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 17 90W (802.3bt): 11	1020W	15.4W (802.3af): 48 30W (802.3at): 34 60W (802.3bt): 17 90W (802.3bt): 11
NX-PSR600-54A-B	NX-PSR920-54A-B	1020W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 17 90W (802.3bt): 11	1020W	15.4W (802.3af): 48 30W (802.3at): 34 60W (802.3bt): 17 90W (802.3bt): 11
NX-PSR600-54A-B	NX-PSR1600-54A-B (Input Voltage: 90V AC~176V AC)	1020W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 17 90W (802.3bt): 11	1020W	15.4W (802.3af): 48 30W (802.3at): 34 60W (802.3bt): 17 90W (802.3bt): 11
NX-PSR600-54A-B	NX-PSR1600-54A-B (Input Voltage:176V AC~290V AC or 180V DC~320V DC)	1020W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 17 90W (802.3bt): 11	1020W	15.4W (802.3af): 48 30W (802.3at): 34 60W (802.3bt): 17 90W (802.3bt): 11

Datasheet

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Converged Hybrid Multigiga Switches NX-6540 Series

PoE POWER CAPACITY

MODEL		Product Description			
Power Supply 1	Power Supply 2	NX-6540-24CM-HPE		NX-6540-24CM-HPE	
		Total PoE power capacity	PoE Ports Quantity	Total PoE power capacity	PoE Ports Quantity
NX-PSR920-54A-B	NX-PSR920-54A-B	1600W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 24 90W (802.3bt): 17	1600W	15.4W (802.3af): 48 30W (802.3at): 48 60W (802.3bt): 26 90W (802.3bt): 17
NX-PSR920-54A-B	NX-PSR1600-54A-B (Input Voltage: 90V AC~176V AC)	1260W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 21 90W (802.3bt): 14	1260W	15.4W (802.3af): 48 30W (802.3at): 42 60W (802.3bt): 21 90W (802.3bt): 14
NX-PSR920-54A-B	NX-PSR1600-54A-B (Input Voltage:176V AC~290V AC or 180V DC~320V DC)	1600W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 24 90W (802.3bt): 17	1600W	15.4W (802.3af): 48 30W (802.3at): 48 60W (802.3bt): 26 90W (802.3bt): 17
NX-PSR1600-54A-B (Input Voltage: 90V AC~176V AC	NX-PSR1600-54A-B (Input Voltage: 90V AC~176V AC)	1600W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 24 90W (802.3bt): 17	1600W	15.4W (802.3af): 48 30W (802.3at): 48 60W (802.3bt): 26 90W (802.3bt): 17
NX-PSR1600-54A-B (Input Voltage: 90V AC~176V AC)	NX-PSR1600-54A-B (Input Voltage:176V AC~290V AC or 180V DC~320V DC)	1600W	15.4W (802.3af): 24 30W (802.3at): 24 60W (802.3bt): 24 90W (802.3bt): 17	1600W	15.4W (802.3af): 48 30W (802.3at): 48 60W (802.3bt): 26 90W (802.3bt): 17

ORDERING INFORMATION

MODEL	Product Description
NX-6540-24CM-HPE	NX-6540-24CM-HPE L3 Ethernet Switch with 16*10/100/1000Base-T Ports(PoE++), 8*1G/2.5G/5G/10G Base-T Ports(PoE++), 4*10G/25GBase-X SFP28 Ports, and 1 Slot, Without Power Supplies
NX-6540-48CM-HPE	NX-6540-48CM-HPE L3 Ethernet Switch with 32*10/100/1000Base-T Ports(PoE++), 16*1G/2.5G/5G/10G Base-T Ports(PoE++), 4*10G/25GBase-X SFP28 Ports, and 1 Slot, Without Power Supplies
Fan	
NXPM1FANSB-SN	NODEXON Fan Module (Fan Panel Side Exhaust Airflow)

Datasheet

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Converged Hybrid Multigiga Switches NX-6540 Series

COMPONENTS

MODEL	Product Description
Power supply	
NX-PSR600-54A-B	NX, PSR600-54A-B,600W/56V PoE Power Supply
NX-PSR920-54A-B	NX, PSR920-54A-B,920W/56V PoE Power Supply
NX-PSR1600-54A-B	NX, PSR1600-54A-B,1600W/56V PoE Power Supply
Modules	
NXWM2SP2PB	2-Port 10G SFP Plus Ethernet Optical Interface Module
NXW2SP2PM	2-Port 10G SFP Plus Interface Card with MACSec
NXWM2ZSP2P	2-Port 25G SFP28 Ethernet Optical Interface Module
NXWM2QP2P	2-Port 40G QSFP Plus Interface Card
Transceivers	
SFP-XG-SX-MM850-A	SFP+ Module(850nm,300m,LC)
SFP-XG-SX-MM850-D	SFP+ Module(850nm,300m,LC)
SFP-XG-SX-MM850-E	SFP+ Module(850nm,300m,LC)
SFP-XG-LX-SM1270-BIDI	10G SFP+ BIDI Optical Transceiver Module (TX1270nm/RX1330nm,10km,LC)
SFP-XG-LX-SM1310	SFP+ Module(1310nm,10km,LC)
SFP-XG-LX-SM1310-D	SFP+ Module(1310nm,10km,LC)
SFP-XG-LX-SM1310-E	SFP+ Module(1310nm,10km,LC)
SFP-XG-LX-SM1330-BIDI	10G SFP+ BIDI Optical Transceiver Module (TX1330nm/RX1270nm,10km,LC)
SFP-XG-LH40-SM1270-BIDI	10G SFP+ BIDI Optical Transceiver Module (TX1270nm/RX1330nm,40km,LC)
SFP-XG-LH40-SM1330-BIDI	10G SFP+ BIDI Optical Transceiver Module (TX1330nm/RX1270nm,40km,LC)
SFP-XG-LH40-SM1550	SFP+ Module(1550nm,40km,LC)
SFP-XG-LH80-SM1490-BIDI	10G SFP+ BIDI Optical Transceiver Module (TX1490nm/RX1550nm,80km,LC)
SFP-XG-LH80-SM1550	SFP+ Module(1550nm,80km,LC)
SFP-XG-LH80-SM1550-BIDI	10G SFP+ BIDI Optical Transceiver Module (TX1550nm/RX1490nm,80km,LC)
SFP-XG-LH80-SM1550-D	SFP+ Module(1550nm,80km,LC)
SFP-XG-CPRI-IR-SM1310	SFP+ 10G CPRI Optical Transceiver Module(-40°C to 85°C,1310nm,1.4km,LC)
SFP-XG-CPRI-LR-SM1310	SFP+ 10G CPRI Optical Transceiver Module(-40°C to 85°C,1310nm,10km,LC)
SFP-25G-LR-SM1310	25G SFP28 Optical Transceiver Module (1310nm,10km,LR,SM,LC)
SFP-25G-SR-MM850	25G SFP28 Optical Transceiver Module (850nm,100m,SR,MM,LC)
SFP-25G-CSR-MM850	25G SFP28 Optical Transceiver Module (850nm,300m OM3,CSR,MM,LC)
Cables	
CAB-CON-1.8m	Single Cable,Console Serial Port Cable,1.8m,D9F,28UL20276(4P)(P296U),MPH-8P8C
NXWM1STK	SFP+ Cable 0.65m
NXWM2STK	SFP+ Cable 1.2m
NXWM3STK	SFP+ Cable 3m
NXTM1STK	SFP+ Cable 5m

Datasheet

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Converged Hybrid Multigiga Switches NX-6540 Series

COMPONENTS

MODEL	Product Description
SFP-XG-D-AOC-10M	SFP+ to SFP+ 10m Active Optical Cable
SFP-XG-D-AOC-20M	SFP+ to SFP+ 20m Active Optical Cable
SFP-XG-D-AOC-7M	SFP+ to SFP+ 7m Active Optical Cable
SFP-25G-D-AOC-10M	25G SFP28 to 25G SFP28 10m Active Optical Cable
SFP-25G-D-AOC-20M	25G SFP28 to 25G SFP28 20m Active Optical Cable
SFP-25G-D-AOC-3M	25G SFP28 to 25G SFP28 3m Active Optical Cable
SFP-25G-D-AOC-5M	25G SFP28 to 25G SFP28 5m Active Optical Cable
SFP-25G-D-AOC-7M	25G SFP28 to 25G SFP28 7m Active Optical Cable
SFP-25G-D-CAB-1M	25G SFP28 to 25G SFP28 1m Passive Cable
SFP-25G-D-CAB-3M	25G SFP28 to 25G SFP28 3m Passive Cable
SFP-25G-D-CAB-5M	25G SFP28 to 25G SFP28 5m Passive Cable

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